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THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Richard A. Meyer et al.

Appln. No. : 10/017,740

Filed : December 14, 2001

For : MULTI-AXIS LOAD CELL

Docket No.: M93.12-0247

Group Art Unit: 2855

Examiner:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS
BEING SENT BY U.S. MAIL, FIRST CLASS,
TO THE ASSISTANT COMMISSIONER FOR
PATENTS, WASHINGTON, D.C. 20231, THIS

10 DAY OF July, 2003

PATENT ATTORNEY

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 CFR § 1.97. Copies of the patents or publications cited are enclosed.

TIME OF FILING

The information disclosure statement is being filed:

1. X with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.

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METHOD OF PAYMENT

- X No fee is required.
 Attached is a check in the amount of \$.

The Commissioner is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

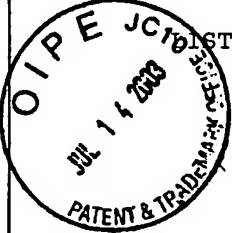
Respectfully submitted,

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FORM PTO-1449		Atty. Docket No.: M93.12-0247	Appl. No.: 10/017,740
 U.S. DEPARTMENT OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		First Named Inventor:	
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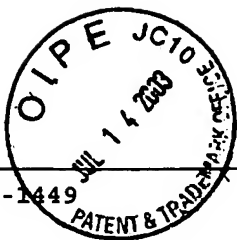
U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	3,377,849	4/16/68	Lebow	73	134	
AB	3,618,376	11/9/71	Shull et al.	73	133	
AC	3,693,425	9/26/72	Starita et al.	73	133	
AD	3,771,359	11/13/73	Shoberg	73	141 A	
AE	3,780,573	12/25/73	Reus	73	146	
AF	3,867,838	2/25/75	Gerresheim	73	133 R	
AG	3,939,704	2/1976	Zipin	73	862.04	
AH	4,297,877	11/3/81	Stahl	73	146	
AI	4,448,083	5/1984	Hayashi	73	862.04	
AJ	4,483,203	11/20/84	Capper	73	862.04	
AK	4,488,441	12/18/84	Ramming	73	862.04	
AL	4,493,220	1/15/85	Carignan et al.	73	862.66	
AM	4,499,759	2/19/85	Hull	73	146	
AN	4,550,617	11/5/85	Fraignier et al.	73	862.04	
AO	4,573,362	3/4/86	Amlani	73	862.04	
AP	4,640,138	2/1987	Meyer et al.	73	862.04	
AQ	4,672,855	6/1987	Schmieder	73	862.04	
AR	4,748,844	6/7/88	Yoshikawa et al.	73	146	
AS	4,763,531	8/16/88	Dietrich et al.	73	862.04	
AT	4,821,582	4/1989	Meyer et al.	73	862.04	
AU	4,823,618	4/1989	Ramming	73	862.04	
AV	5,313,828	5/24/94	Kötzle et al.	73	146	
AW	5,315,882	5/31/94	Meyer et al.	73	862.044	

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

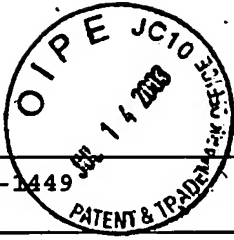
BI	A. Rupp, W. Diefenbach, V. Grubisic, "Erfassung der mehraxialen Fahrbetriebsbelastungen mit dem MeBrad 'VELOS'", ATZ Automobiltechnische Zeitschrift 96, 1994, pp. 764-768
BJ	A. Rupp, V. Grubisic, "Reliable and Efficient Measurement of Suspension Loads on Passenger Cars and Commercial Vehicles", reprint from "Advanced Measurement Techniques and Sensory Systems for Automotive Applications: Accuracy and Reliability", Proceedings of the 1st International Conference and Exhibition, Ancona 29-30.6. 1995, Hrsg. ATA Orbassano (1995), S. 263-273
BK	C. Higashijima, S. Awazu, "Development of multiaxial wheel hub dynamometer", JSAE Review, Vol. 16, No. 1, 1/95
BL	Brochure: Wheel force transducer - the key for real world simulation", Schenck ATC, 4/95
BM	"Flexible Wheel Force Transducer System for Road Load Data Acquisition", IGEB, 4/95
BN	TML pam E-670 A: "TML 6-Component Wheel Force Measuring Equipment SLW-A/MFT-106", Texas Measurements, Inc.
BO	"Unique Solutions to Measurement Problems", Robert A. Denton, Inc.
BP	"MMS-6800", Nissho Electric Works, Col. Ltd.

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AX	5,400,661	3/28/95	Cook et al.	73	862.043	
AY	5,540,108	7/30/96	Cook et al.	73	862.043	
AZ	5,969,268	10/19/99	Sommerfeld et al.	73	862.043	
BA	6,038,933	3/21/00	Meyer	73	862.045	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
BB	DE 2 302 540	7/25/74	Germany			X
BC	GB 2 096 777 A	10/20/82	Great Britain			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BD	Brochure: "Kistler Vehicle Engineering News", 5/97.
BE	Walter Weiblen, Thomas Hofmann, "Evaluation of Different Designs of Wheel Force Transducers", SAE Technical Paper Series, International Congress and Exposition, February 23-26, 1998, pp. 1-10
BF	Milton J. Lebow, "Summer Instrument-Automation Conference and Exhibit - Toronto, Ontario, Canada", Instrument Society of America Conference Preprint, June 5-8, 1961
BG	G. Hirzinger, "Direct Digital Robot Control Using A Force-Torque-Sensor", IFAC Symposium on Real Time Digital Control Applications, Guadalajara, Mexico, January 15-21, 1983
BH	Assorted Astek Engineering, Inc. brochures, 1983

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